Item	RefDes	Cantidad	Valor	Descripción	Encapsulado	Fabricante	MPN	DigiKey_PN
	+		ESP32-WROOM-	Módulo Wi-Fi/BLE			ESP32-WROOM-	5407-ESP32-
Módulo MCU	U1	1	32E-N8	2.4 GHz, 8 MB	Módulo SMD	Espressif Systems	32E-N8	WROOM-32E-
			CP2102N-A02-	Puente USB a		,	CP2102N-A02-	
USB-UART bridge	U4	1	GQFN28	UART	QFN-28 (5×5 mm)	Silicon Labs	GQFN28	336-5889-ND
				temperatura/hum				
Sensor T/H	U2	1	SHT31-DIS-F2.5KS	edad ±2 %RH, I <sup>2</sup> C	DFN-8 2.5×2.5 mm	Sensirion	SHT31-DIS-F2.5KS	1649-1066-1-ND
				Regulador LDO 3.3		STMicroelectronic		
LDO 3.3 V	U3, U5	2	3.3 V LDO 800 mA	V	SOT-223	S	LD1117S33CTR	497-1241-1-ND
				Receptáculo				2073-USB4105-GF-
Conector USB-C	USB1	1	USB4105-GF-A	USB-C, USB 2.0,	USB4105	GCT	USB4105-GF-A	ACT-ND
				Protección ESD				ESD5D5.0CT1GOS
Diodo TVS ESD	U6, U7, U8	3	5.0 V TVS (ESD)	para USB	SOD-523	onsemi	ESD5D5.0CT1G	CT-ND
				Schottky 40 V / 1				B5819WS-TPMSCT-
Diodo Schottky	D1	1	B5819WS	Α	SOD-323	MCC	B5819WS-TP	ND
								MMSS8050-H-
Transistor NPN	Q1, Q2	2	SS8050	NPN 25 V 1.5 A	SOT-23	MCC	MMSS8050-H-TP	TPMSCT-ND
				Pulsador SPST-NO				
Pulsador táctil	SW1, SW2	2	PTS645SH50-2 LFS	6×6 mm	THT 6×6 mm	C&K	PTS645SH50-2 LFS	CKN9093-ND
				LED SMD 0603				
LED rojo	LED1, LED2	2	0603 rojo	rojo	0603	Kingbright	APTD1608SURCK	754-1541-1-ND
Capacitor						Samsung Electro-	CL10B104KB8NNN	
cerámico	C1-C12	12	0.1 μF 50 V X7R	Desacoplo	0603	Mechanics	С	1276-1000-1-ND
	R1, R2, R3, R6, R7,							311-1.00KHRCT-
Resistencia	R8, R9, R10, R11,	12	1 kΩ ±1 % 0.1 W	Res SMD 0603	0603	Yageo	RC0603FR-071KL	ND
								311-10.0KHRCT-
Resistencia	R4, R5	2	10 kΩ ±1 % 0.1 W	Res SMD 0603	0603	Yageo	RC0603FR-0710KL	ND
(Recomendado)				para CC1/CC2 a				311-5.10KHRCT-
Resistencia CC	— (CC1, CC2)	2	5.1 kΩ ±1 % 0.1 W	GND	0603	Yageo	RC0603FR-075K1L	ND